

trihydrated, aluminas, aluminium or zirconium silicates, bentonite, as well as magnesium orthophosphate or trimagnesium phosphate.

26. (New) A composition for buccal use wherein it comprises a compound according to Claim 2.

27. (New) A composition for buccal use wherein it comprises a compound according to Claim 3.

28. (New) A method of protecting against dental carries which comprises administering a compound according to claim 2.

29. (New) A method of protecting against dental carries which comprises administering a compound according to claim 3.

REMARKS

Claims 1-16 have been amended in order to write these claims in the appropriate U.S. claim format.

Claims 4, 7-8, and 10-13 have also been amended in order to limit the multiple dependencies of these claims.

Claims 17-29 have been added by the foregoing amendments. Support for claims 17-18 occurs, for example, in original claim 4. Support for claim 19 occurs, for example, in original claim 7. Support for claims 20-22 occurs, for example, in original claim 8. Support for claims 23-25 occurs, for example, in original claim 9. claims 26 and 27 are simply the corresponding composition claims for the compounds of claims 2-3. Claims 28-29 are simply the corresponding method claims for the compounds of claims 2-3.

Claims 1-29 remain in the application.

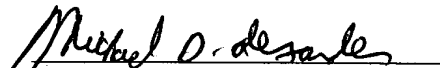
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cont.

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Attached hereto is a marked-up version of the changes made to the specification and claims by the instant amendment. The marked-up version is entitled "Version With Markings To Show Changes Made".

Respectfully submitted,

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Version With Markings to Show Changes Made

In the Specification:

The following Abstract of the disclosure has been provided as a new page 24:

ABSTRACT

The invention relates to a titanium-derived compounds, and to processes for preparing the same.

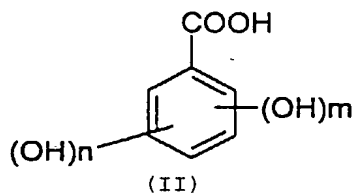
In the Claims:

Claims 1-16 have been amended as follows:

1. (Amended) A titanium~~Titanium~~-derived compound satisfying the formula (I) below:



in which L represents a compound of formula (II) below:

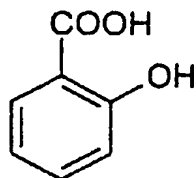


in which m is 1 and n is 0, 1 or 2,

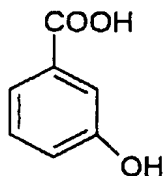
and x represents 2, 4 or 5, y represents 1 or 2 and z represents 0, 1 or 2; in the form of enantiomers, of diastereoisomers, as well as the mixtures thereof, including the racemic mixtures, of free bases or of pharmaceutically acceptable salts.

2. (Amended) A compound ~~Compound~~ according to Claim 1, ~~characterized in that~~ wherein the compounds L are chosen from benzoic acid derivatives, in particular 2-hydroxybenzoic acid of formula:

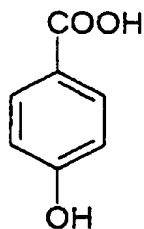
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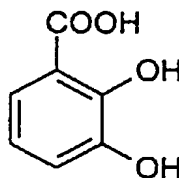
3-hydroxybenzoic acid of formula:



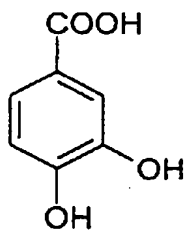
4-hydroxybenzoic acid of formula:



2,3-dihydroxybenzoic acid of formula:

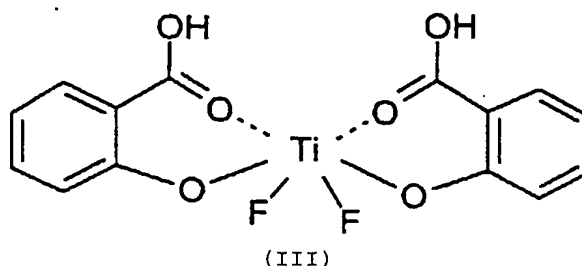


3,4-dihydroxybenzoic acid of formula:



3. (Amended) A compound ~~Compound~~ according to Claim 1, ~~characterized in that~~
wherein it satisfies the formula below (III):

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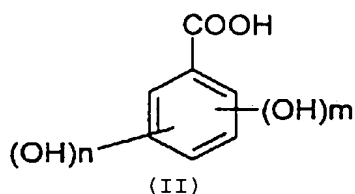


4. (Amended) A method ~~Method~~ for preparing a titanium-derived compound according to Claim 1 ~~any one of Claims 1 to 3, characterized in that~~ wherein solid titanium IV fluoride is reacted with a solution of benzoic acid in an anhydrous solvent such as acetonitrile, under a nitrogen atmosphere.

5. (Amended) A composition ~~Composition~~ for buccal use, ~~characterized in that~~ wherein it comprises at least one titanium-derived compound satisfying the formula (I) below:



in which L represents a compound of formula (II) below:



in which m is 0, 1 and n is 0, 1 or 2,

and x represents 2, 4 or 5, y represents 1 or 2 and z represents 0, 1 or 2; in the form of enantiomers, of diastereoisomers, as well as the mixtures thereof, including the racemic mixtures, of free bases or of pharmaceutically acceptable salts.

6. (Amended) A composition ~~Composition~~ for buccal use according to Claim 5 ~~characterized in that~~ wherein it comprises at least one titanium-derived compound in an amount which is equivalent to from approximately 10 ppm to approximately 10,000 ppm of fluorine.

7. (Amended) A composition ~~Composition~~ for buccal use according to Claim 5 ~~either of Claims 5 and 6, characterized in that~~ wherein it is in the form of toothpaste or toothgel, of mouthwash, of spray, of foam, of gargling product, of dental gel or of chewing gum, balm,

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paste, glaze, lozenge, tablet, antiseptic throat preparation, powder, or concentrated or unconcentrated solution.

8. (Amended) A composition ~~Composition~~ for buccal use according to Claim 5 ~~any one of Claims 5 to 7~~, characterized in that wherein it also comprises at least one polishing agent of inorganic or organic origin in proportions ranging up to 80% by weight with respect to the total weight of the composition.

9. (Amended) A composition ~~Composition~~ for buccal use according to Claim 8, ~~characterized in that~~ wherein the polishing agent comprises in particular calcium, magnesium or sodium carbonate or bicarbonate, calcium phosphates and sulphates, alumina and hydrated alumina, silicas, magnesium oxides, hydroxides, trisilicates and pyrophosphates, cellulose compounds obtained by crushing cereal seeds, sodium or potassium metaphosphates, calcium phosphate dihydrate, dicalcium phosphate, tricalcium phosphate, calcium pyrophosphate, alumina, hydrated, and in particular trihydrated, aluminas, aluminium or zirconium silicates, bentonite, as well as magnesium orthophosphate or trimagnesium phosphate.

10. (Amended) A composition ~~Composition~~ for buccal use according to Claim 5 ~~any one of Claims 5 to 9~~, characterized in that wherein it also comprises one or more cohesion agents, in proportions ranging up to approximately 10% by weight with respect to the total weight of the composition, chosen in particular from natural thickeners such as alginates or pectins, natural gums such as gum tragacanth or xanthan, guar, carob or carrageenan gums, synthetic carrageenates, and synthetic thickeners such as cellulose derivatives for instance the sodium salt of carboxymethylcellulose, methylcellulose, hydroxyalkylcelluloses or crosslinked polyacrylic acids.

11. (Amended) A composition ~~Composition~~ for buccal use according to Claim 5 ~~any one of Claims 5 to 10~~, characterized in that wherein it also comprises one or more surfactants of anionic, amphoteric, zwitterionic, cationic or nonionic nature.

12. (Amended) A composition ~~Composition~~ for buccal use according to Claim 5 ~~any one of Claims 5 to 11~~, characterized in that wherein it also comprises one or more active agents used in buccal hygiene, in particular agents known to reduce bad breath, such as for example chlorhexedine, cetylpyridinium chloride, cyclodextrins or zinc compounds such as zinc halides, zinc acetate, zinc citrate or zinc fluoride.

13. (Amended) A composition ~~Composition~~ for buccal use according to Claim 5 ~~any one of Claims 5 to 12~~, characterized in that wherein it also comprises one or more cohesion agents, thickeners, antibiotics, sweetening, wetting or refreshing agents, peptizing agents, preserving agents, sweeteners, dyes, aromas, flavourings and flavour-enhancing substances,

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plasticizers, antibacterial agents or bactericides, vitamins, antitartar agents, healing agents, vasomotor agents, anti-bleeding agents, agents which are active on the gums, anti-inflammatory agents such as enoloxone, benzydamine, allantoin or permethol.

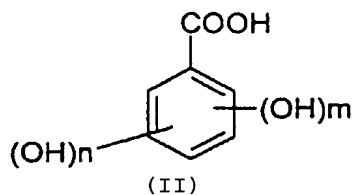
14. (Amended) A composition ~~Compositions~~ for buccal use according to Claim 13, ~~characterized in that~~ wherein the sweetening agents comprise sucrose, lactose, fructose, xylitol, sodium cyclamate, sodium saccharinate or maltose, sodium or ammonium glycyrrhizates, alpha-glucosyl/ steviolglucoside mixtures, D-mannitol, aspartame, acesulfame K, sorbitol, lycosin and mixtures thereof.

15. (Amended) A composition ~~Composition~~ for buccal use according to Claim 13, ~~characterized in that~~ wherein the antibacterial agents comprise essential oils, plant extracts or substances such as alexidine, octinidine, hexetidine, phenoxyethanol, phenethyl alcohol, triclosan, chlorhexidine, cetylpyridinium chloride and delmopinol, in proportions ranging up to approximately 10% by weight with respect to the total weight of the composition.

16. (Amended) ~~Use of~~ A method of protecting against dental caries which comprises administering a titanium-derived compound satisfying the formula (I) below:



in which L represents a compound of formula (II) below:



in which m is 0 or 1 and n is 0, 1 or 2,

and x represents 2, 4 or 5, y represents 1 or 2 and z represents 0, 1 or 2; in the form of enantiomers, of diastereoisomers, as well as the mixtures thereof, including the racemic mixtures, of free bases or of pharmaceutically acceptable salts, ~~as protecting agent against dental caries.~~

Claims 17-29 have been added.

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